

## 03050204-060

(Goodland Creek)

### General Description

Watershed 03050204-060 is located in Orangeburg and Aiken Counties and consists primarily of *Goodland Creek* and its tributaries. The watershed occupies 26,714 acres of the Upper Coastal Plain region of South Carolina. The predominant soil types consist of an association of the Fuquay-Dothan-Troup series. The erodibility of the soil (K) averages 0.12 and the slope of the terrain averages 4%, with a range of 0-10%. Land use/land cover in the watershed includes: 43.4% agricultural land, 37.3% forested land, 11.2% forested wetland (swamp), 6.4% barren land, 0.8% urban land, 0.6% water, and 0.3% nonforested wetland (marsh).

Goodland Creek flows through Capers Mill Pond and accepts drainage from Gin Branch and Tampa Creek before draining into the South Fork Edisto River. There are a total of 31.1 stream miles and 117.2 acres of lake waters in this watershed, all classified FW.

### Surface Water Quality

<u>Station #</u>	<u>Type</u>	<u>Class</u>	<u>Description</u>
E-036/E-598	S/INT/BIO	FW	GOODLAND CREEK AT SC 4, 2.1 MILES E OF SPRINGFIELD

*Goodland Creek (E-036 and E-598)* - Aquatic life uses are fully supported based on macroinvertebrate community data. Prior to 2001, this was a secondary monitoring station and sampling was intentionally biased towards periods with potentially low dissolved oxygen concentrations. There is a significant decreasing trend in pH. This is a blackwater system, characterized by naturally low pH and dissolved oxygen concentrations. Although pH excursions were noted, they were typical of values seen in such systems and considered natural, not standards violations. A significant decreasing trend in five-day biochemical oxygen demand suggests improving conditions for this parameter. Recreational uses are not supported due to fecal coliform bacteria excursions. In addition, there was a significant increasing trend in fecal coliform bacteria concentration.

### NPDES Program

#### Active NPDES Facilities

RECEIVING STREAM FACILITY NAME PERMITTED FLOW @ PIPE (MGD)	NPDES# TYPE COMMENT
GOODLAND CREEK TOWN OF SPRINGFIELD/PLANT #2 PIPE #: 001 FLOW: 0.06	SC0023281 MINOR DOMESTIC

### Growth Potential

There is a low potential for growth in this watershed, which contains portions of the Towns of Salley, Perry, and Springfield.